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(54) Title: TETRAPEPTIDE REGULATING BLOOD GLUCOSE LEVEL IN DIABETES MELLITUS

(57) Abstract: The invention refers to the field of medicine and can be applied as a substance capable of regulating glucose level while treating and preventing diabetes mellitus. There is proposed a biologically active new tetrapeptide lysyl-glutamyl-aspartyl-tryptophane of general formula Lys-Glu-Asp-Trp-NH₂ capable of regulating the glucose level, and pharmacological substance containing an effective amount of tetrapeptide lysyl-glutamyl-aspartyl-tryptophane of the general formula Lys-Glu-Asp-Trp-NH₂. There is proposed the method of prevention and/or treatment of the diabetes mellitus, which consists in administering to a patient of the pharmacological substance, containing as an active peptide agent an effective amount of Lys-Glu-Asp-Trp-NH₂ tetrapeptide in doses of 0,1 - 30 µg/kg of the body weight at least once a day for a period necessary for attaining a therapeutic effect.

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